

# Moises A. Carreon

Colorado School of Mines

[mcarreon@mines.edu](mailto:mcarreon@mines.edu)

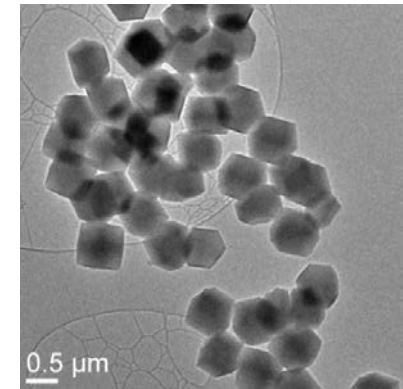
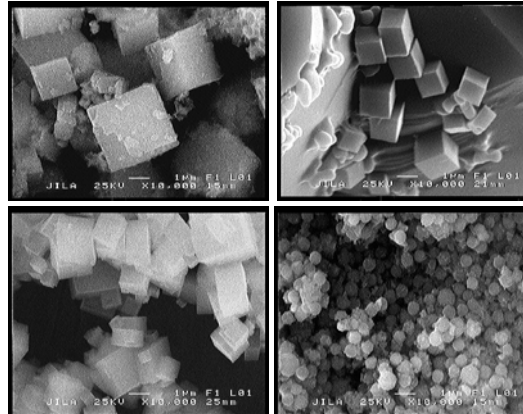
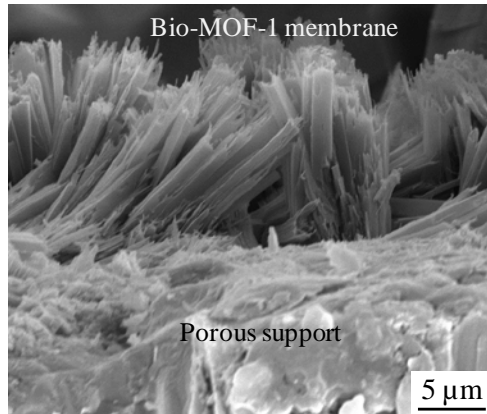
Materials Design



Functional Application

Porous crystals

Gas separations, Catalysis, Gas storage



Membranes

Catalysts

Sorbents

## Research Areas

- Zeolite and Metal Organic Framework Membranes
- Molecular Gas Separations
- Natural Gas Storage
- Rational Design of Heterogeneous Catalysts
- CO<sub>2</sub> Conversion to Chemicals
- Synthesis/Catalytic Transformations of Biodiesels/Biofuels